

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 4	
2. Amendment/Modification No. 0001		3. Effective Date 2007JUN18		4. Requisition/Purchase Req No. SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By US ARMY AVIATION & MISSILE COMMAND AMSAM-AC-OS-S LEROY E WEAVER (256)876-4183 REDSTONE ARSENAL AL 35898-5280 EMAIL: LEE.WEAVER@US.ARMY.MIL		Code W58RGZ		7. Administered By (If other than Item 6) <div style="display: flex; justify-content: space-between;">SCDPASADP PT</div>			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)				<input checked="" type="checkbox"/> 9A. Amendment Of Solicitation No. W58RGZ-07-R-0506			
				<input type="checkbox"/> 9B. Dated (See Item 11) 2007MAY24			
				<input type="checkbox"/> 10A. Modification Of Contract/Order No.			
				<input type="checkbox"/> 10B. Dated (See Item 13)			
Code		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. 2007JUL18 02:30pm Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning <u>2 signed</u> copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required)							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) SEE SECOND PAGE FOR DESCRIPTION							
<div style="text-align: center;">Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.</div>							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print)			
15B. Contractor/Offeror (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W58RGZ-07-R-0506 MOD/AMD 0001	Page 2 of 4
Name of Offeror or Contractor:		

SECTION A - SUPPLEMENTAL INFORMATION

THE PURPOSE OF THIS AMENDMENT IS TO EXTEND THE OFFER DUE DATE/LOCAL TIME TO 18 JUL 2007/02:30PM AND ANSWER THE FOLLOWING QUESTIONS IN WRITING FOR ALL OFFERORS.

QUESTIONS:

1) Section 2.2.1 - DLA Assist Website called out does not appear to have a copy of the {MIL-PRF-GB-GRAM-300}. Please provide correct link or please provide a copy of {MIL-PRF-GB-GRAM-300} Performance Specification for the NAVSTAR Ground-Based GPS Receiver Applications Module (GB-GRAM)

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

2) Section 2.2.1 - DLA Assist Website called out does not appear to have a copy of the {ADS-68-IS}. Please provide correct link or please provide a copy of {ADS-68-IS} Aeronautical Design Standard, Interface Standard Aircraft Electric Power Characteristics

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

3) Section 2.2.2 - Please provide a copy of {Air Warrior R&M Report} Reliability and Maintainability (R&M) Requirements Rationale (RRR) for the Air Warrior (AW), dated 7 Mar 1996

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

4) Section 2.2.2 - Please provide a copy of {Air Warrior Supportability Plan} Supportability Strategy Air Warrior System, Rev 3 dated Nov 2005

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

5) Section 2.2.2 - Please provide a copy of {GPU-03-105} Navstar Global Positioning System Precise Positioning Service Host Application Equipment Security Approval Requirements

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

6) Section 2.2.2 - Please provide a copy of {Doc# Unassigned} Supportability Strategy (SS) for Small Serial Interface (SSI) Ground-Based GPS Receiver Applications Module (GB-GRAM), August 2006

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

7) Section 2.2.2 - Please provide a copy of {NSTISSI No. 3006} Operational Security Doctrine for the NAVSTAR Global Positioning System (GPS) Precise Positioning Service (PPS) User Segment Equipment, August 2001

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

8) Section 2.2.2 - Please provide a copy of {ICD-GPS-153} GPS User Equipment Interface Control Document for the RS-232/RS-422 Interface of DoD Standard GPS UE Radio Receivers; with IRN-001 dtd 13 April 2006

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

9) Section 2.3 - Please provide a copy of {LL0060-200 A006-5} Qualification Test Criteria for Gunfire Vibration on AH-64D Longbow Apache dated April 1996

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

10) Section 2.3 - Please provide a copy of Tactronics 6-Port Dual-Speed Ethernet Switch (ETH-SWT-003) Users Guide

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

11) Section 2.3 - Please provide a copy of Blue Force Tracker Type 1 COMSEC Interface Control Document - Drawing Number D39903A_ICD_Version 1.0; dated 3 November, 2006

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

12) Section 3.1.1.1 - Please provide a copy of the DAGR ICD.

Air Warrior Response - Information is on disk #2, which can be mailed or picked up by qualified offerors.

13) Section 3.1.1.1 - 6143734-3 calls out PLGR, DAGR, MAGR, MAGR 2000 and the 3A receivers only. These are RS-232, RS-422 and RS-422 special (GPS-ICD-150) only. Suggest RS-485 be changed to RS-422. (also referenced in Sections 3.1.1.2.1 and 3.1.1.2.2.) Also request clarification if the RS-422 requirements of GPS-ICD-150 apply to the GMR. If RS-485 is needed, how many RS-485 ports are needed? What type of connector should this be? And how many potential drops will there be on the RS-485 network?

Air Warrior Response - The RS-485 requirement was changed to RS-422. The GMR Specification will be modified to incorporate this change.

14) Section 3.1.1.2 - If the SAASM GPS is included, is the commercial GPS still required?

Air Warrior Response - The GMR must be able to support both configurations. The commercial GPS will be used during training.

15) Section 3.1.1.2.1 Does the commercial GPS receiver need to support any datum other than WGS84?

Air Warrior Response - No.

16) Section 3.1.1.2.2 - No Fill Port is required for the GB GRAM SAASM. Is one needed? If so, is it DS-101 or DS-102? What connector is required for the fill device?

Air Warrior Response - 3.2.7.4.2.1 Fill Port Interface

The EDM GMR shall provide one serial port that will function as a fill port interface IAW GPU-03-105. The GMR fill port pins shall be directly wired to the SAASM DS-101 or DS-102 fill port pins. Permanent or temporary storage of keys shall not be implemented between the GMR fill port pins and the SAASM DS-101 or DS-102 fill port pins. Permanent or temporary storage of key shall only take place within the SAASM GB-GRAM. Connector pins at the GMR boundary may be shared for key loading although this implementation requires a fail-safe control and switching mechanism as defined in GPU-03-105.

4.2.7.4.2.1 Fill Port Interface. Verification of requirement 3.2.7.4.2.1 shall be by test in a lab environment to show that the EDM GMR serial port will function as a Fill Port Interface IAW GPU-03-105 by using one of the following devices:

- AN/CYZ--10 Data Transfer Device

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 3 of 4
	PIIN/SIIN W58RGZ-07-R-0506	MOD/AMD 0001

Name of Offeror or Contractor:

- KOI-18, General Purpose Tape Reader
- KYK-13, Electronic Transfer Device

The GMR Specification will be modified to incorporate this change.

17) Section 3.1.1.2.2 - Will there need to be a zeroize function for the SAASM? What type of interface is required?
Air Warrior Response - Yes - "The GMR shall provide the capability to zeroize keys loaded into the SAASM in accordance with GPU-03-105." The GMR Specification will be modified to incorporate this change.

18) Section 3.2.1 - Is a 1.0 GHz or better Celeron M an acceptable equivalent? How will equivalency of various processing platforms be assessed? Are variable clock rate CPU's acceptable, or must they maintain at least 1.0 GHz?
Air Warrior Response - The requirement is at a minimum, a Pentium M, or equivalent, Central Processing Unit (CPU) running at 1 GHz. If the offeror uses an equivalent CPU, data is required to show equivalency.

19) Section 3.2.5 - RFP states Dimensions of 6 x 6 x 10 inches, whereas Specification states 5 x 4 x 8.75 inches. Which one is correct?
Air Warrior Response - RFP dimensions are pass/fail criteria for evaluation purposes only. The requirement is as stated in the specification.

20) Section 3.2.6 - RFP states Weight <= 9 pounds, whereas Specification states <= 6 pounds. Which one is correct?
Air Warrior Response - RFP weight is pass/fail criteria for evaluation purposes only. The requirement is as stated in the specification.

21) Section 3.2.7 - Is it acceptable to reposition some controls and indicators as defined in the existing 4-port router?
Air Warrior Response - Yes, but the requirement is still "located on no more than two faces" corresponding to the arrangement of controls, indicators, and connectors on the Star uRouter (4 Port) which is being replaced. The rationale for this requirement is to not create a change to the existing "A Kit" cable configuration.

22) Section 3.2.6 - Is the weight limit defined as WITH or WITHOUT the SAASM GB GRAM, which is stated as objective requirement in section 3.1.1.2.2? If with the SAASM, does this also include the fill port (see question for section 3.1.1.2.2)
Air Warrior Response - Yes, weight limits include SAASM GB GRAM including the fill port.

23) Section 3.2.7.3 - Assume "micro" not "mini".
Air Warrior Response - micro is correct.

24) Section 3.2.7.4.1 - This section seems to imply that the ONLY connection that can be on this connector is the single Ethernet port. Was this the intent, or is it possible to use other pins on the connector defined for other purposes as long as the Ethernet pins are maintained as defined in this section?
Air Warrior Response - It is acceptable to use other pins on the connector for other purposes as long as the Ethernet pins are maintained as defined.

25) Section 3.2.7.4.2 - does not reference RS-485, is this an omission?
Air Warrior Response - No - RS-485 is not required.

26) Section 3.2.7.4.3 - what type of connector should this be provided on?
Air Warrior Response - No specific type of USB connector is required.

27) Section 3.3.1.1 - Operating low temperature limit for specified GB-GRAM (SAASM) is -40o. Commercial GPS receivers will also not operate below -40. DAGR low temperature limit is -32oC. Suggest specification limits be re-addressed by the Government. Also, the temperature range defined in this section conflicts with the temperature range defined in section 3.3.7. Please clarify which one is correct?
Air Warrior Response - The correct temperature range is -65\b0F to +160\b0F. The GMR Specification will be modified to incorporate this change. The GMR specification temperature limits are IAW equipment installed on applicable aircraft platforms.

28) Section 3.3.1.2 - Similar comments for temperature range as above.
Air Warrior Response - The correct non operating temperature is -80\b0F to +185\b0F. The GMR specification temperature limits are IAW equipment installed on applicable aircraft platforms.

29) Section 3.3.8.3 - Please define the SRS shock spectrum.
Air Warrior Response - The GMR shall not produce any cracking, external fractures, or shredding of parts (ejection of sub-elements) after exposure to three shocks applied in each direction along three orthogonal axes of the GMR for a maximum of 18 shocks with a minimum peak acceleration of 40 Gs, and with an effective duration (Te) of 15 to 23 ms, and a crossover frequency of 45 Hz. The GMR Specification will be modified to incorporate this change.

30) Section 3.3.11.1.1 - The RE101 wording of the sentence is confusing, RE101 is a radiated emissions measurement, specifically magnetic spectrum, this section implies susceptibility.
Air Warrior Response - Paragraph 4.3.11.1.1 of the GMR specification provides the correct wording to this requirement. The GMR Specification will be modified to clarify this requirement.

31) Section 3.5.3.1.1 - Controls and Displays Integration, do the indicators need to be NVG compliant?
Air Warrior Response - No.

32) Page 6 of solicitation, Section 3.1 of the SOW states: "The sample hardware shall meet the requirements identified in AVNS-GMR-10824."

a. This statement requires all offerors to be able to prove to DCMA that the samples meet the specification. This requires all the environmental tests to be have been performed and passed prior to delivery to the government.

b. It is assumed that the intent of the SOW is that the sample hardware be capable of meeting the

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 4 of 4
	PIIN/SIIN W58RGZ-07-R-0506	MOD/AMD 0001	

Name of Offeror or Contractor:

requirements, as it is understood that the USA will actually be performing the qualification testing as part of the evaluation rather than funding the contractor for the qualification. Please clarify and/or correct.

Air Warrior Response - SOW will be modified to make the following change to Section 3.1:

"The sample hardware shall be capable of meeting the requirements identified in AVNS-GMR-10824."

*** END OF NARRATIVE A0002 ***